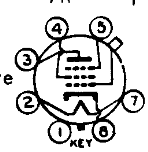
6K7, 6K7-G, 6K7-GT

TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater■	Coated Unipotential Cathode			
Voltage	6.3			a-c or d-c volts
Current	0.3			amp.
	6K7	*6K7-G*	*6K7-GT*	
Direct Interelectrode Cap.	▲	▲▲	▲▲	
Grid to Plate	0.005	0.007	0.005	μμf
Input	7	5	4.6	μμf
Output	12	12	12	μμf
Overall Length	3-1/8" max.	4-7/32" to 4-15/32"	3-5/16" max.	
Seated Height	2-9/16" max.	3-21/32" to 3-29/32"	2-3/4" max.	
Maximum Diameter	1-5/16"	1-9/16"	1-5/16"	
Bulb	Metal Shell, MT-8	ST-12	T-9	
Cap	Miniature	Skirted Min. Style C	Skirted Min. Style C	
Base	Small Wafer Octal 7-Pin	Small Shell Octal 7-Pin	Sm.Wafer Octal 7-Pin, Sleeve	
Basing Designation	7R	G-7R	GT-7R	

Pin 1 { 6K7, Shell; 6K7-G, No Con.; 6K7-GT, Base Sleeve }
Pin 2 - Heater
Pin 3 - Plate



BOTTOM VIEW

Pin 4 - Screen
Pin 5 - Suppressor
Pin 7 - Heater
Pin 8 - Cathode
Cap - Grid

Mounting Position — Any

AMPLIFIER

Plate Voltage	300	max.	volts
Screen Voltage	125	max.	volts
Screen Supply Voltage	300	max.	volts
Grid Voltage	0	min.	volts
Plate Dissipation	2.75	max.	watts
Screen Dissipation	0.35	max.	watt

Typical Operation and Characteristics - Class A_1 Amplifier:

Plate	100	250	250	volts
Screen	100	100	125	volts
Grid	-1	-3	-3	volts
Suppressor	Connected to cathode at socket			
Plate Res.	0.15	0.8	0.6	approx. megohm
Transcond.	1650	1450	1650	μmhos
Grid Bias for transcond. of approx. 2 μmhos	-38.5	-42.5	-52.5	volts
Plate Cur.	9.5	7.0	10.5	ma.
Screen Cur.	2.7	1.7	2.6	ma.

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
▲ With shell connected to cathode.
▲▲ With close-fitting shield connected to cathode. The internal shield in the dome is connected to cathode within 6K7-G and 6K7-GT.

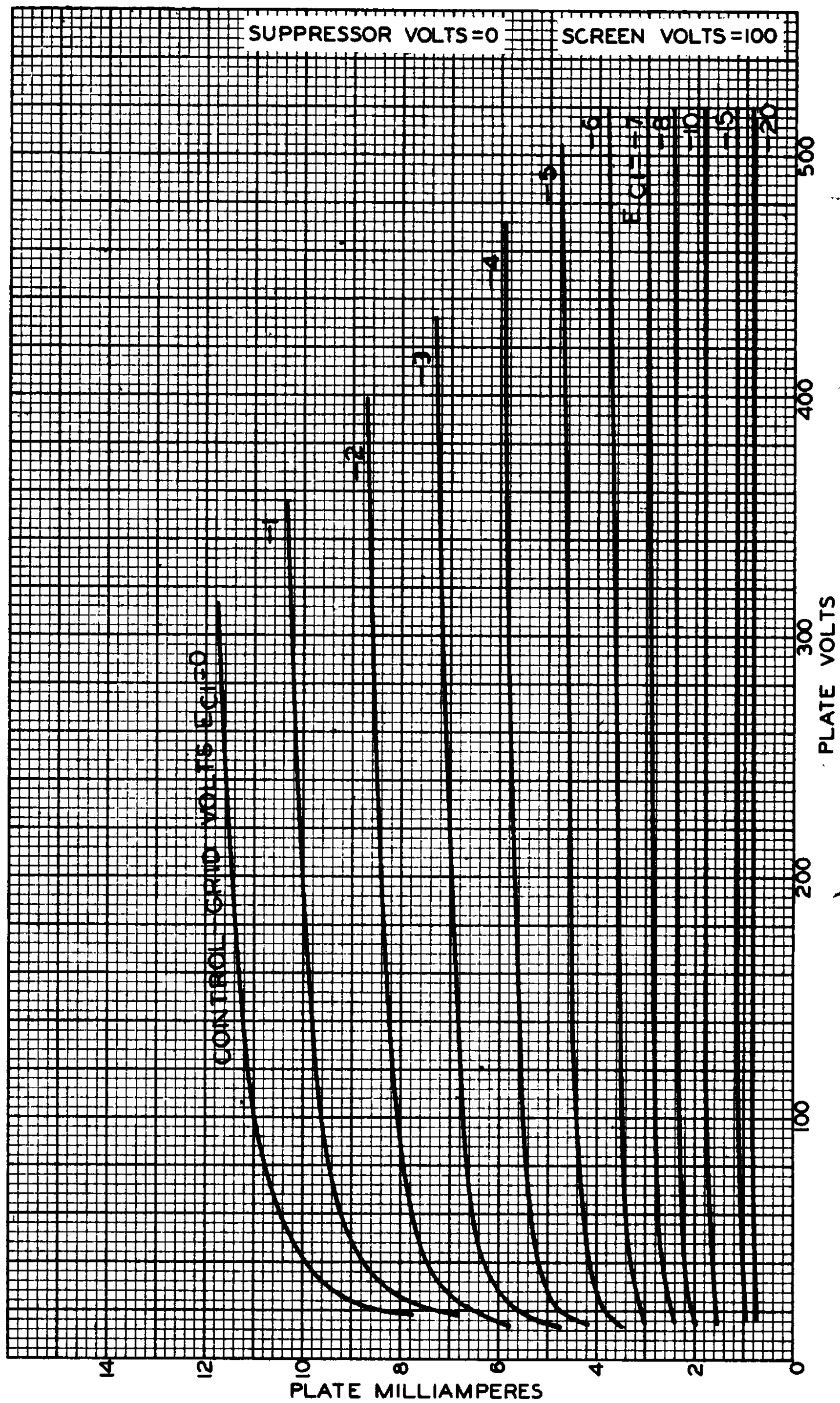
Curves under Type 78 also apply to the 6K7, 6K7-G, and 6K7-GT.

← Indicates a change.

6K7

6K7

AVERAGE PLATE CHARACTERISTICS



FEB.24,1937

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4742